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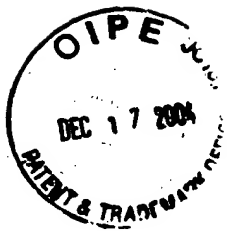
S<sub>1</sub> MOT Table

<u>A</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>K</u>	<u>L</u>	<u>M</u>	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>V</u>	<u>W</u>	<u>Y</u>
5	1	8	0	6	2	3	33	20	18		16	17	10	44	7	23	12	11	9
36	41	13	15	28	31	4	37	25	46			22	19		24	29	21		
		14		42		40		34				26	43		45		30		
		32						35				27							
												38							
												39							

S<sub>2</sub> MOT Table

<u>A</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>K</u>	<u>L</u>	<u>M</u>	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>V</u>	<u>W</u>	<u>Y</u>
33	0		1	19	3	28	17	8	6		52	11	20	7	13	26	2	34	38
40	36		39	47	41	42	10	10	23			16	44	21	22		4	46	45
					49	43	14	14	30			25		31			5	50	48
					53		32					27					9		
																	12		
																	15		
																	18		
																	24		
																	29		
																	35		
																	37		
																	51		

FIG. 1



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0:	0	26:	2	30	35
1:	0	27:	2	34	37
2:	0	28:	1	21	
3:	0	29:	1	30	
4:	0	30:	2	21	25
5:	0	31:	4	21	27
6:	1	32:	3	25	26
7:	1	33:	2	15	39
8:	0	34:	2	38	44
9:	0	35:	6	18	20
10:	1	36:	5	22	24
11:	0	37:	3	12	20
12:	0	38:	2	21	28
13:	0	39:	1	12	
14:	0	40:	1	12	
15:	1	41:	5	17	20
16:	0	42:	1	41	
17:	0	43:	0		
18:	0	44:	5	12	21
19:	3	45:	3	24	27
20:	2	46:	4	1	17
21:	2	47:	2	12	27
22:	2	48:	5	0	2
23:	1	49:	1	40	
24:	6				
25:	1				



50:	5	12	21	22	23	40
51:	1	36				
52:	4	18	22	30	42	
53:	2	7	12			
54:	2	25	30			
55:	2	17	21			
56:	0					
57:	3	10	17	31		
58:	0					
59:	3	12	18	20		
60:	1	6				
61:	1	21				
62:	1	7				
63:	1	21				
64:	1	12				
65:	1	31				
66:	1	28				
67:	0					
68:	1	30				
69:	1	31				
70:	2	11	12			
71:	2	4	15			
72:	3	3	12	19		
73:	0					
74:	0					
75:	1	5				

76: 1 9  
 77: 1 21  
 78: 0  
 79: 0  
 80: 0  
 81: 1 10  
 82: 3 1 5 11  
 83: 2 9 16  
 84: 0  
 85: 1 4  
 86: 7 0 2 3 4 9 11 12  
 87: 1 3  
 88: 1 6  
 89: 0  
 90: 0  
 91: 0  
 92: 0  
 93: 0  
 94: 1 2  
 95: 0  
 96: 0  
 97: 0  
 98: 1 2  
 99: 0  
 100: 0

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**FIG. 2B**

Seq. 0: 

D	P	U	T	P	N	O	U	N	D	T
0	1	2	3	4	5	6	7	8	9	10

 → Sorted: 

D	D	N	N	O	P	P	T	T	U	U
0	9	5	8	6	1	4	3	10	2	7

Seq. 1: 

D	T	U	P	P	N	O	U	N	O	T
0	1	2	3	4	5	6	7	8	9	10

 → Sorted: 

D	N	N	O	O	P	P	T	T	U	U
0	5	8	6	9	3	4	1	10	2	7

### Pattern Map Row Index

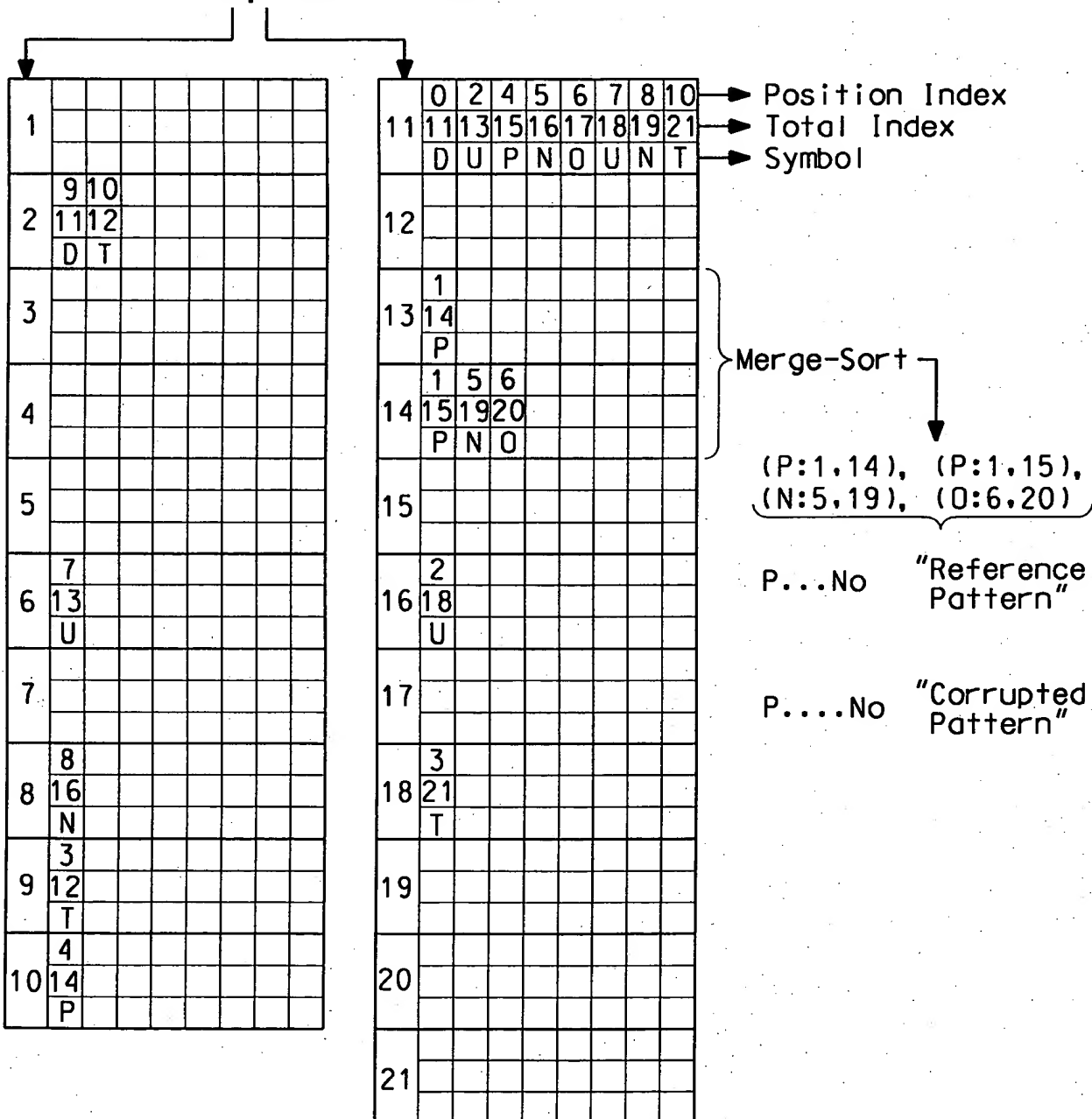


FIG. 3

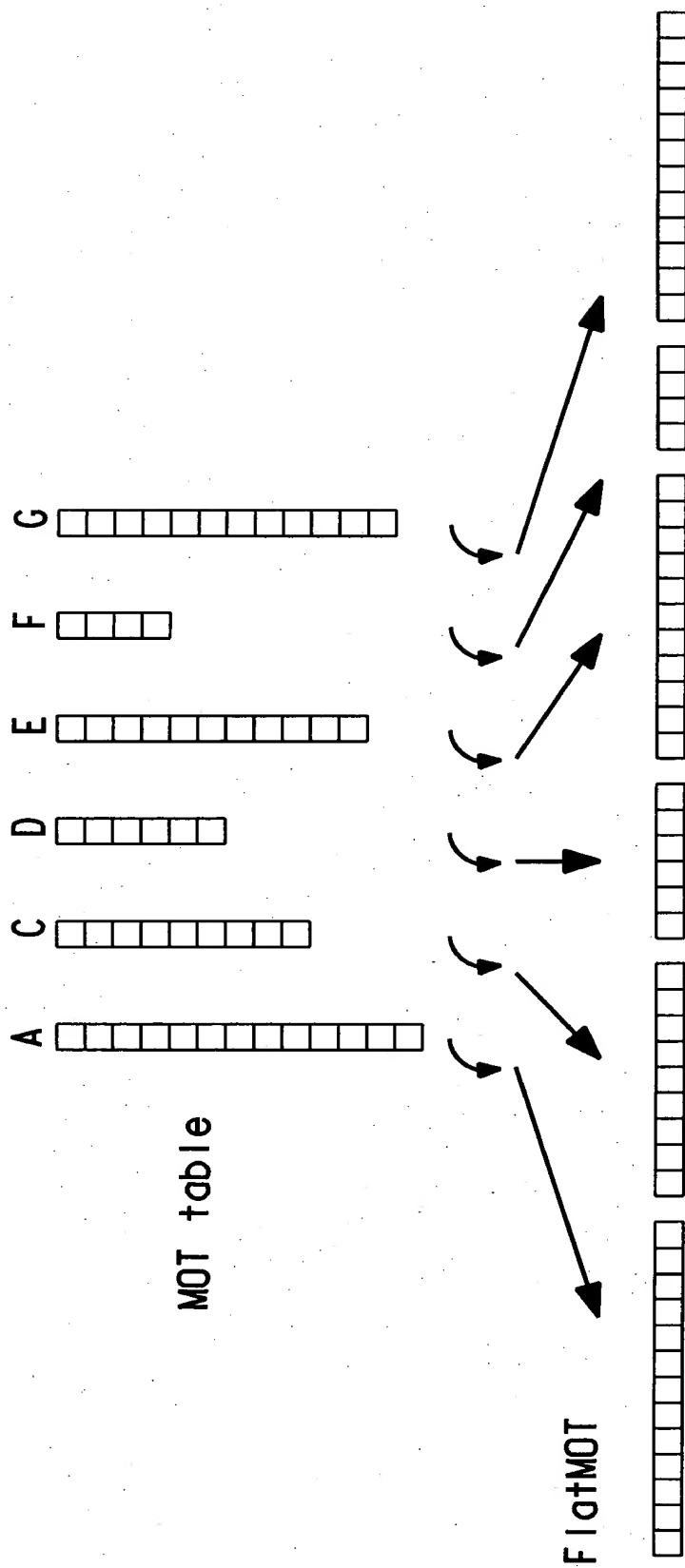


FIG. 4

Maximum number of don't-cares = 3  
 Minimum number of symbols = 6

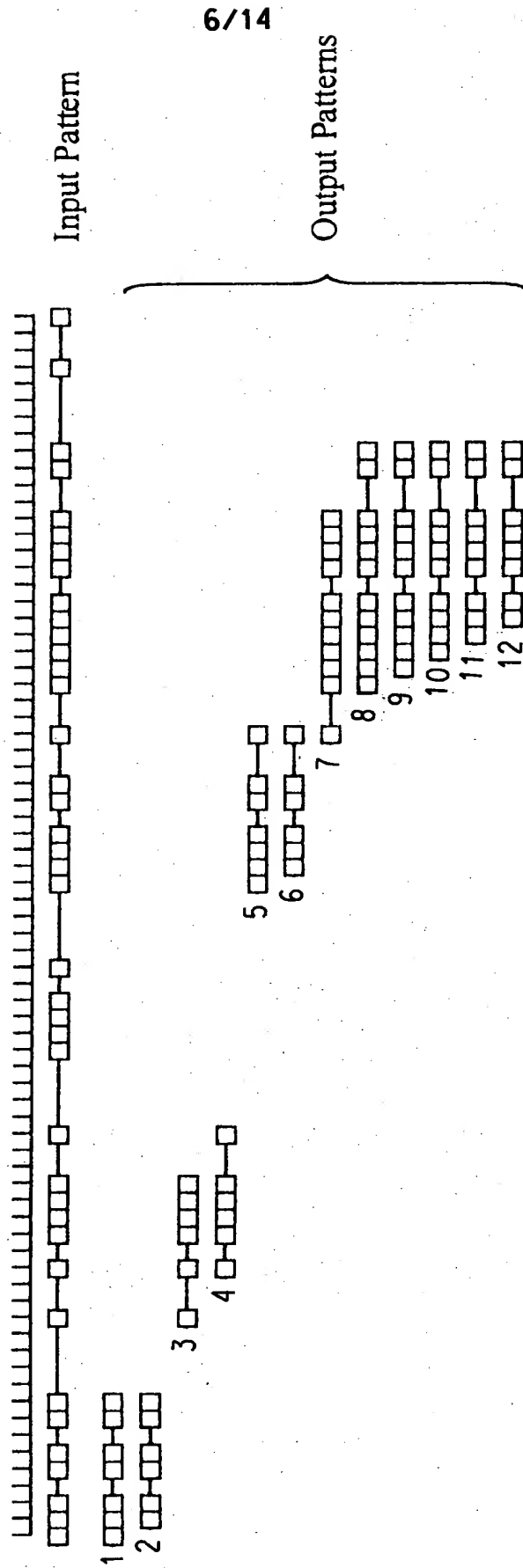


FIG. 5

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Gap size parameter  $g = 3$   
Minimum number of symbols = 6

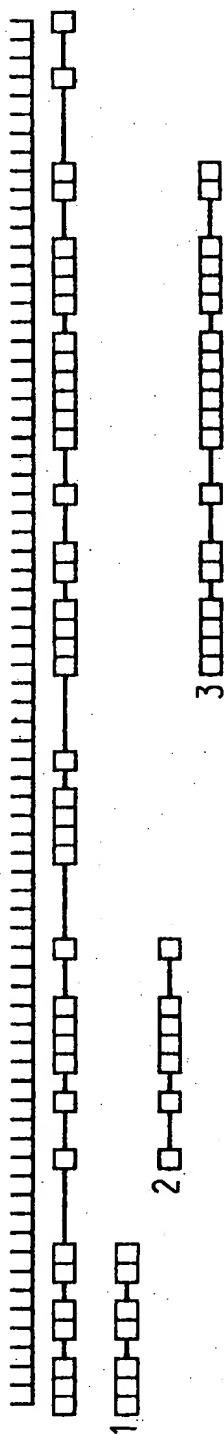
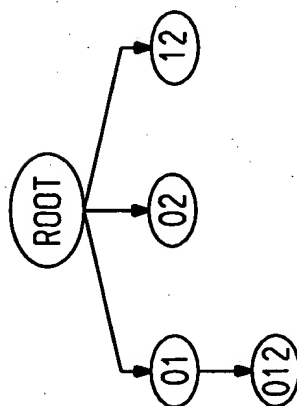


FIG. 6

# SEQUENCES

S<sub>0</sub>: ADBCDACC  
S<sub>1</sub>: BCDADABA  
S<sub>2</sub>: CDCBCDA

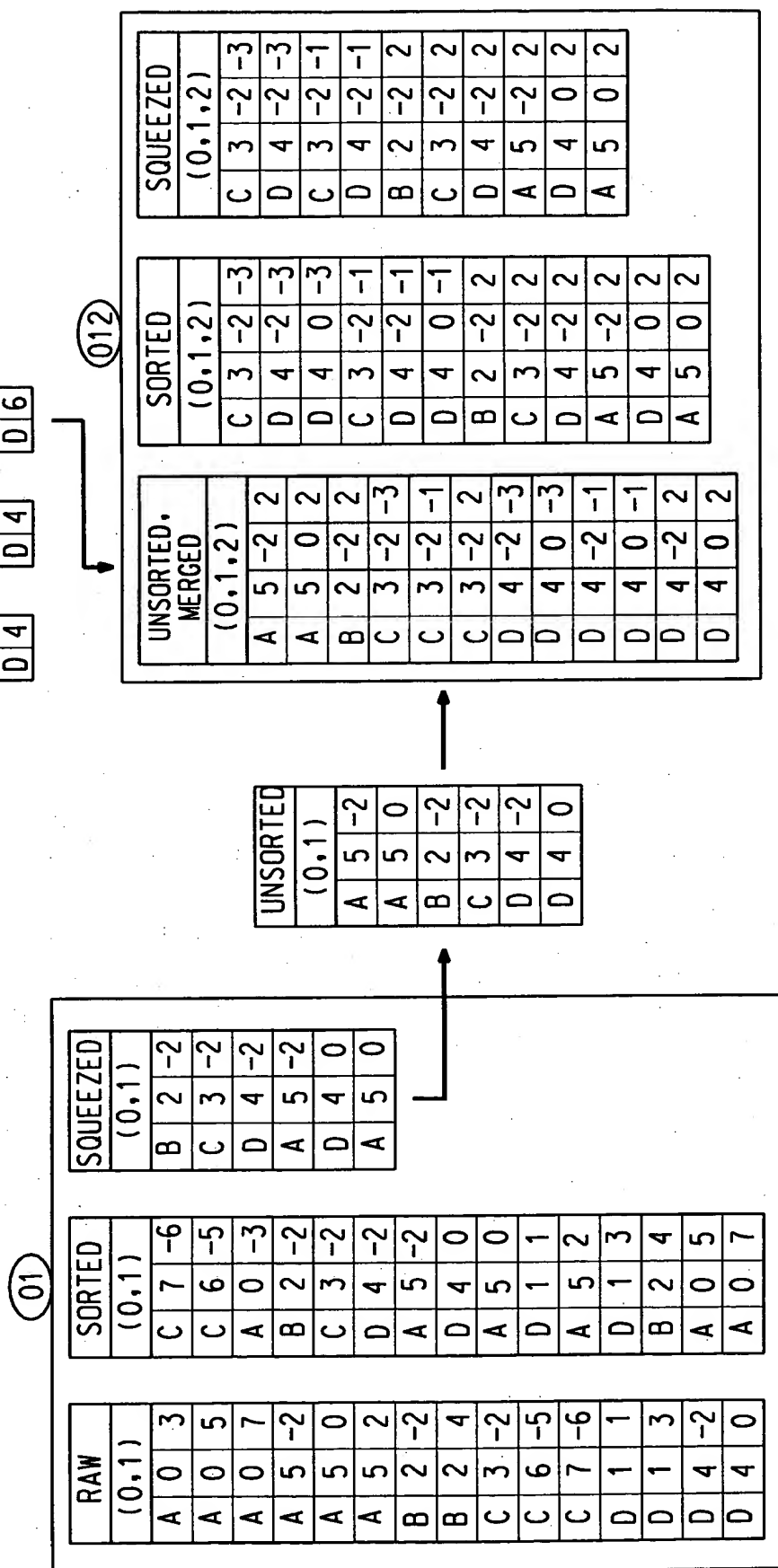


# 1-TUPLE TABLES

(0)	(1)	(2)
A 0	A 3	A 7
A 5	A 5	B 4
B 2	A 7	C 0
C 3	B 0	C 2
C 6	B 6	C 5
C 7	C 1	D 1
D 1	D 2	D 3
D 4	D 4	D 6

FIG. 7A

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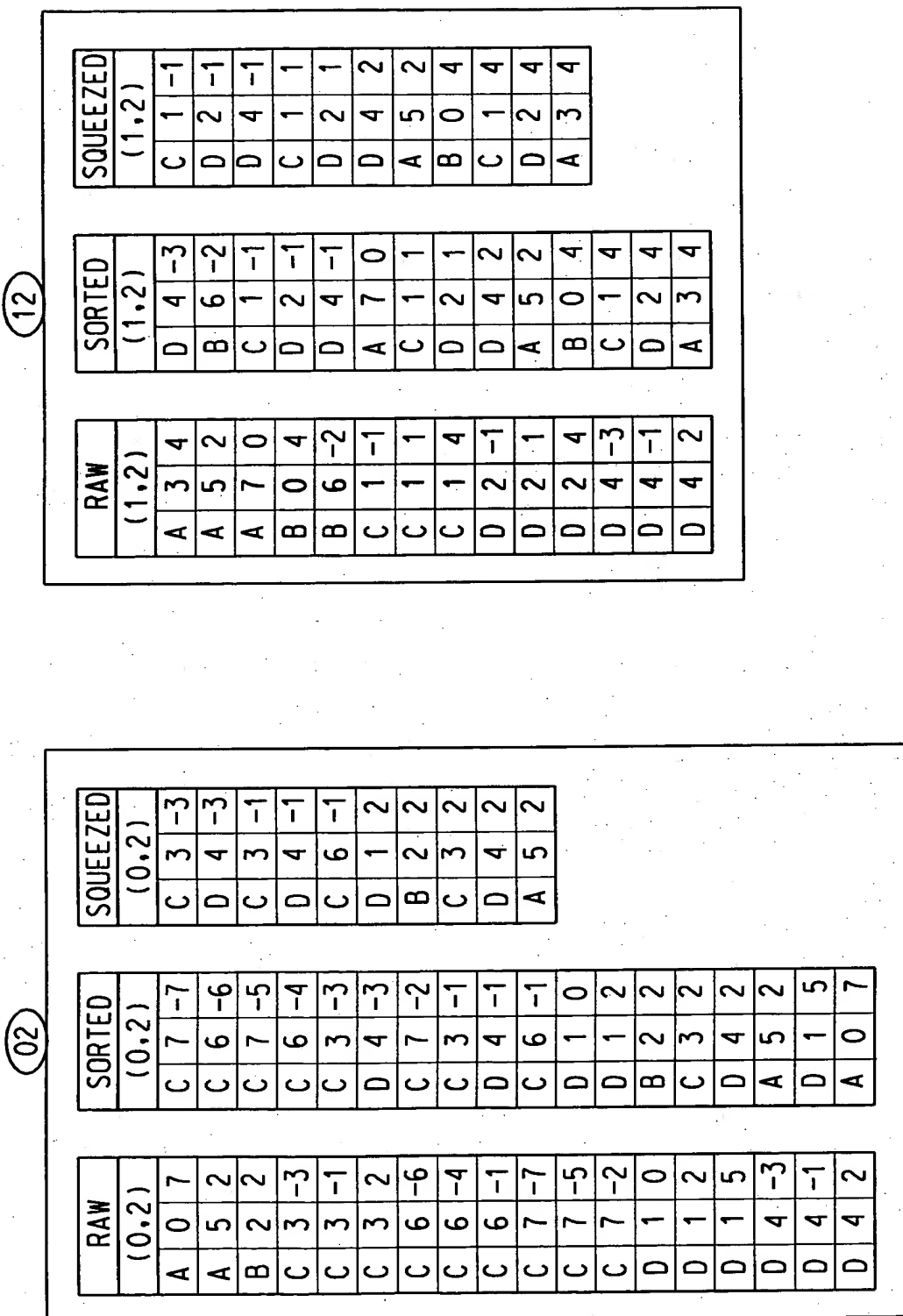


FIG. 7B

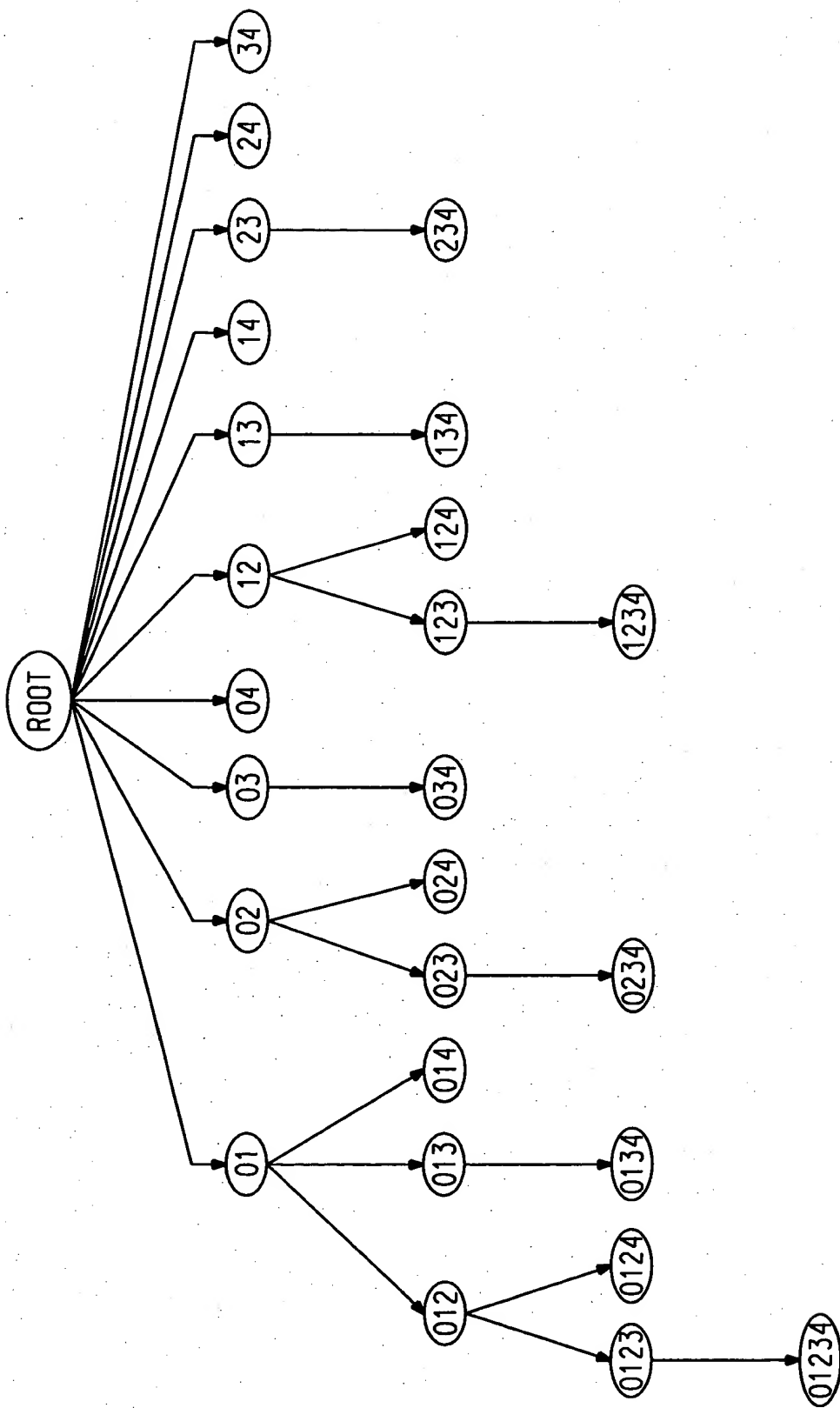


FIG. 8

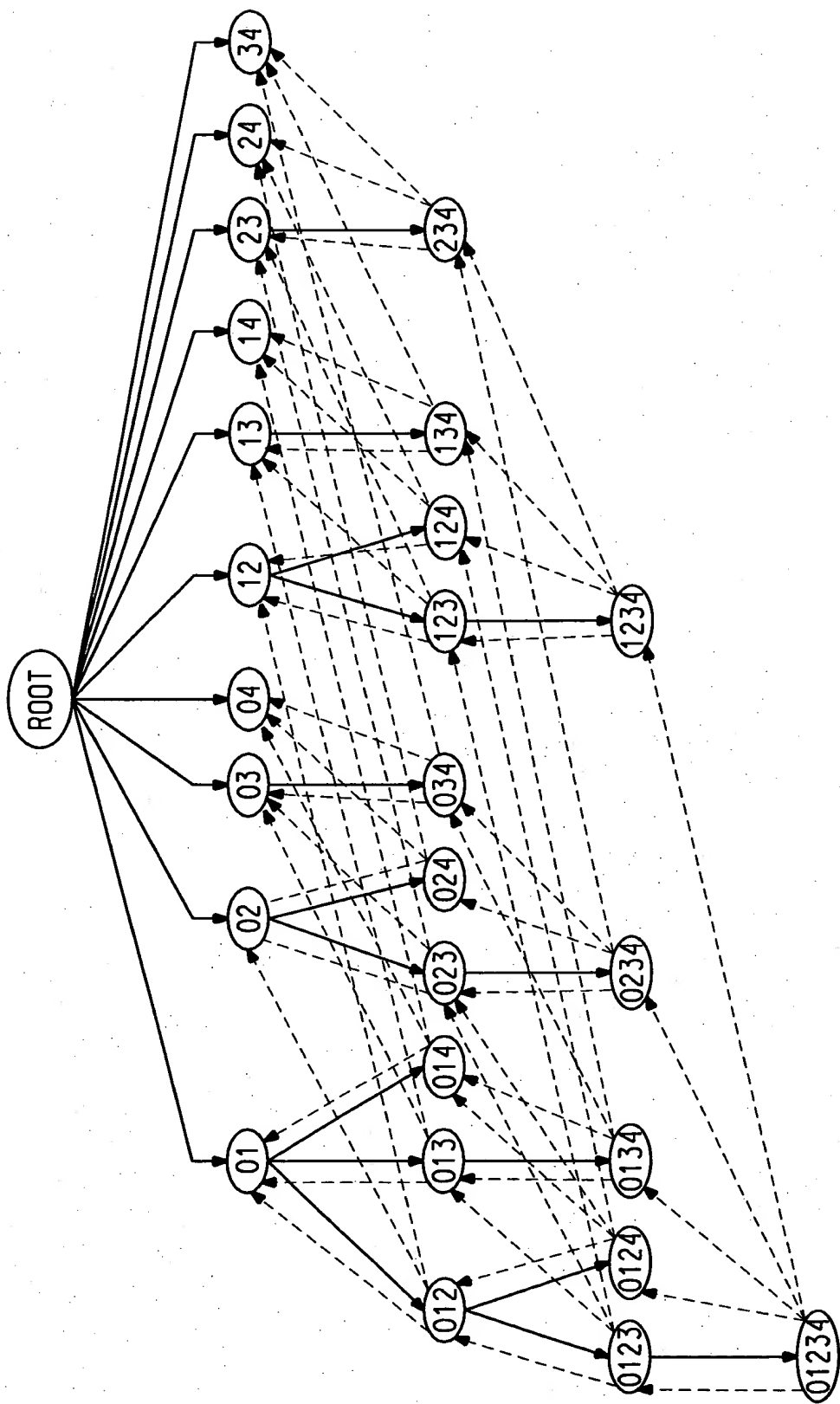
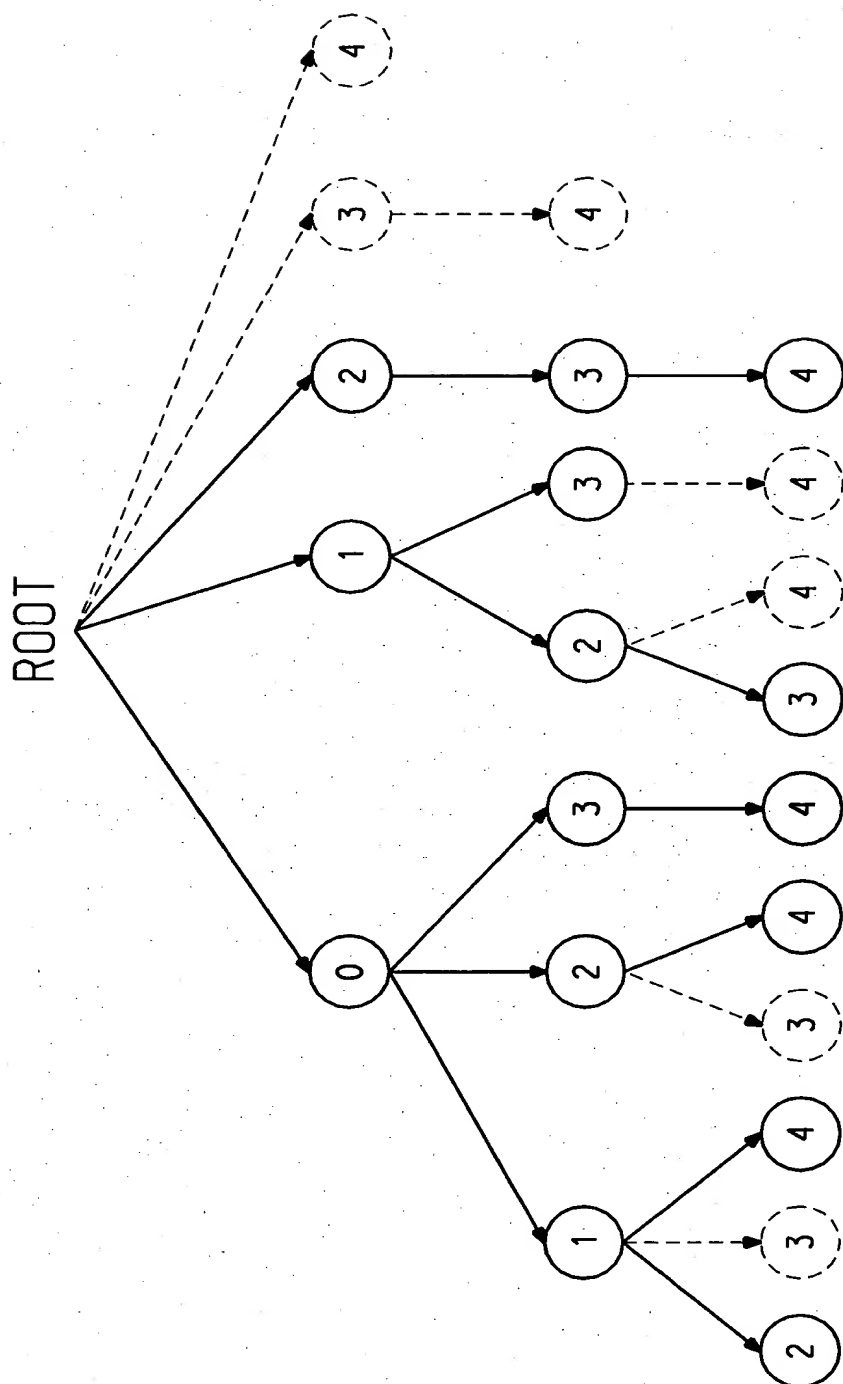


FIG. 9



**FIG. 10**



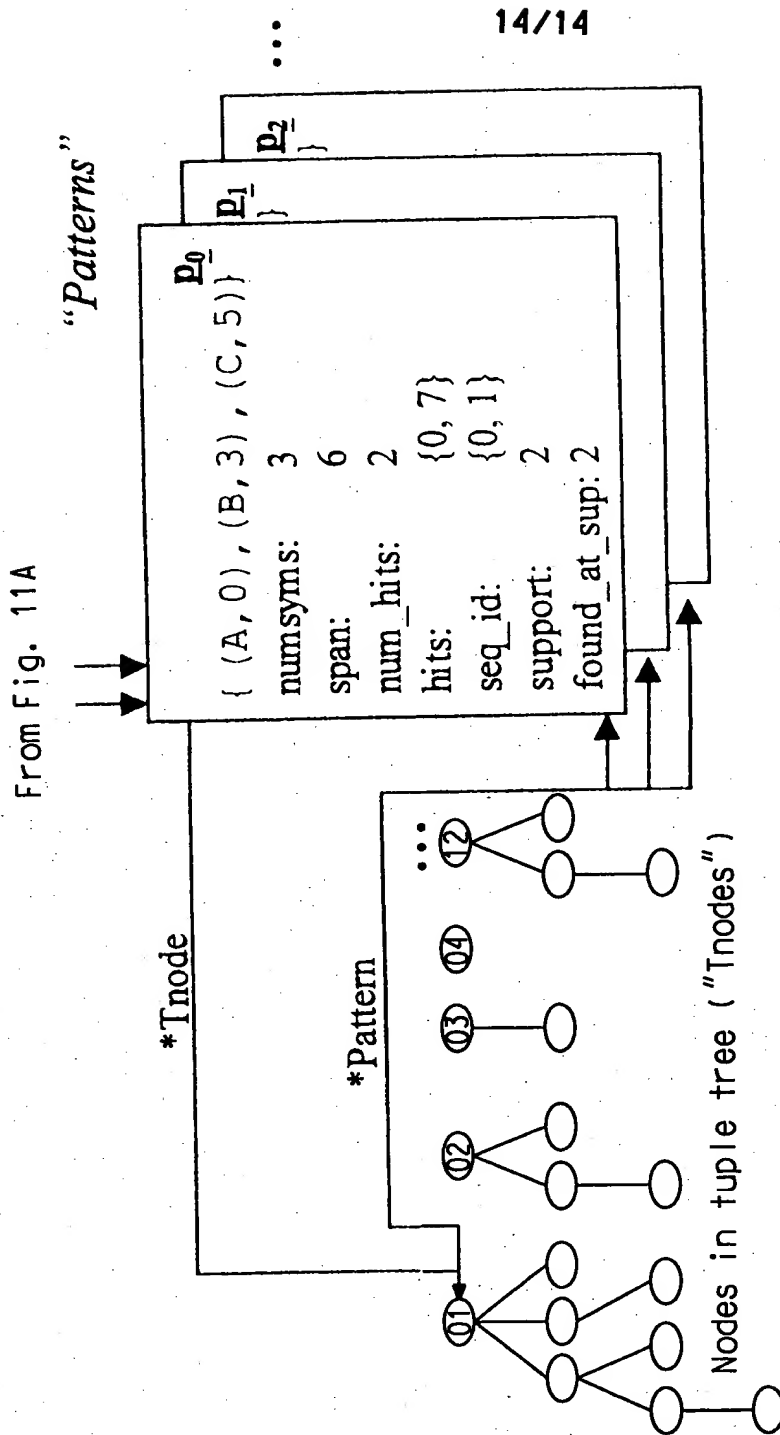


FIG. 11B

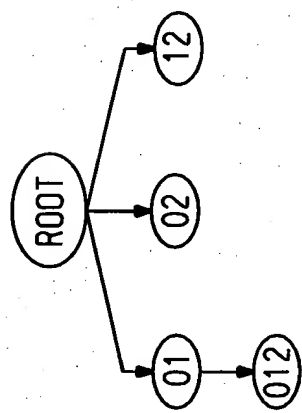
FIG. 7A

**SEQUENCES**

S<sub>0</sub>: ADBCDACC  
 S<sub>1</sub>: BCDADABA  
 S<sub>2</sub>: CDCBCDA

**1-TUPLE TABLES**

(0)	(1)	(2)
A 0	A 3	A 7
A 5	A 5	B 4
B 2	A 7	C 0
C 3	B 0	C 2
C 6	B 6	C 5
C 7	C 1	D 1
D 1	D 2	D 3
D 4	D 4	D 6



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